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From: Chris Hill <chris.hill@chk.com>

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Delivered Date: 11/21/2011 02:11 AM EDT

Subject: RE: conf call on Mon Nov 21 1 pm CT

ATTACHMENT: ufp_qapp_v1_0305[1].pdf

ATTACHMENT: ufp_v2_final[1].pdf

Bob,

The call is yours to cancel, and, although I personally have PTO tomorrow, I will attend the call if you so choose to have it. In my humble opinion, we have plenty of topics to discuss that are not necessarily tied to the list you provided below. Regarding the list you have provided, we should not have a problem producing most of the items.

I look forward to discussing the directional drilling option, and hearing about E&E progress on the details. After Mike Overbay mentioned this technique was endorsed in the LDEQ Groundwater Monitoring Handbook, I went to take a closer look for my education. After further review, it appears this innovative technique was not referenced for the use in monitoring wells, but for remediation wells (e.g., pump and treat, air sparging/soil vapor extraction, etc.). I wouldn't mind E&E taking a closer look at page 21 of the Handbook to confirm.

I was surprised during our last Monday call when Steve Vandegrift informed everyone there is not currently an approved Quality Management Plan (QMP) for this study. Has the QMP been approved to date? If so, can a copy of the QMP be distributed to the prospective study team members, including CHK? I believe this document would be extremely value, if not necessary, for our team to ensure we meet the study's objectives. On the topic of quality, I have attached the Uniform Federal Policy Quality Systems and QAPP documents that Steve V. and I were referencing during our last conference call. Since Steve V. stated that these documents are applicable to the study, I believe they merit a quick review by all project team members and a discussion at our next meeting.

Please let us know what the verdict is regarding the conference call.

Thanks,

Chris

From: Cassi Vann
Sent: Friday, November 18, 2011 05:12 PM
To: 'Puls.Robert@epamail.epa.gov' <Puls.Robert@epamail.epa.gov>;
'puls.robert@epa.gov' <puls.robert@epa.gov>; 'overbay.michael@epa.gov'
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Bert Smith
Subject: Re: conf call on Mon Nov 21 1 pm CT

Including Chris

From: Puls.Robert@epamail.epa.gov [mailto:Puls.Robert@epamail.epa.gov]
Sent: Friday, November 18, 2011 05:04 PM
To: puls.robert@epa.gov <puls.robert@epa.gov>; overbay.michael@epa.gov
<overbay.michael@epa.gov>; cquina@ene.com <cquina@ene.com>; John Satterfield;
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<GLukert@ene.com>; gflorentino@ene.com <gflorentino@ene.com>; Mike Brownell;
Mravik.Susan@epamail.epa.gov <Mravik.Susan@epamail.epa.gov>; Cassi Vann; Fonda
Manwell; Debby McElreath; Nancy Coleman; Bert Smith
Subject: conf call on Mon Nov 21 1 pm CT

If the following milestones will not be not be met prior to the call we (EPA and E&E) will not participate in the call. If that is the case I suggest we postpone the call.

Mon Nov 21 - CHK to complete the following: feedback from CHK management on use of microseismic, and revisions to produced water sampling procedures for inclusion in QAPP,

Mon Nov 21 - E&E to provide more specific details on horizontal drilling options and companies and straw man for sampling intervals for different sampling of environmental media for inclusion in QAPP

Mon Nov 21 -EPA to provide text for piezometer installations and slug testing to E&E for incorporation into QAPP

Mon Nov 21 - EPA to get feedback from ORD QA program managers on sharing of SOPs with others besides CHK and whether inclusion of CHK lab analyses should be part of the prospective QAPP and thus part of the study

5. Mon Nov 21 - CHK to provide draft letter for private well sampling

It is my understanding that EPA and E&E can meet milestones 2,3,4. If I am in error, please contact me asap.
Can CHK please weigh in on #1 and 5

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